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A pronounced feeling has existed a long time that our normal sion on normal schools in favor of one school of this character.

VERMONT'S POWER.

The meeting in Boston attended h resources, will unthe example of New York under the

connection with the development of this course will have on the national should look carefully, therefore, to the onservation of our water power

BANK EXAMINERS PRODDED.

once. I say to you emphatically that all of these men, who are in a position falcations and dishonesty have been gards the political complexion of the es you have failed to correctly or even approximately estimmate the this belief. by the bank. If you are unable to disresignation and your commission for tion. If the Legislature is republican

This stirring is unquestionably needchairmen, then Foraker will simply ed, for it is a notorious fact that many of the bank disasters in the rountry ought to have been mitigated.

chairmen, then Foraker will simply owning countries.

decided by the property decreased by the reports that out of this "20,424 to were delivered to the rountry ought to have been mitigated.

chairmen, then Foraker will simply owning countries.

Me. is as good in San Diego, Cal. as it casual observer, but it was regarded of this "20,424 to were delivered to the rountry ought to have been mitigated.

Since and in contribute to the perceptible to the decided in portance that the work be countried.

Since and in contribute to the requirement of the reports decreased by the reports that out of this "20,424 to" were delivered to the rountry ought to have been mitigated. however, neither Foraker nor any work on the part of examiners, By other republican could be elected. the way, who is examining national banks in Vermont at the present servant who betrays his trust, is lost

NO NEED OF WORRYING ABOUT pears to offend will have marked difficulty in saving himself.

A joke might be perpetrated in con nection with the subject of future heat, but some people are discussing the problem so seriously that it would be ent imports amount to only about \$4,000, inhuman to grow facetious in the 000 a year, consisting mainly of cotton presence of such long faces. The piece goods, liquors, and beer, world has recently been startled by the announcement that the supply of clothing, arms and ammunition, hard coal would be exhausted in a century ware and metals. The chief commercial or two, and then people would all

The Rutland News finds reassurance how Americans can share in the trade under these circumstances in the an- of the Congo. nouncement in the Technical World are despatched only by steamers salling magazine by the geologist of the from San Francisco-not from Seattle, Crow's Nest company, a Canadian as many had thought. coal corporation, that something like | The peat in the extensive bogs of Cent ral Ireland is to be utilized with a view 22,000,000,000 tons of coal are stored to generating electric power sufficient to following long list of companies: away in an area overlapping the drive the mills, run the railways and Rocky mountains and embracing 230 light the cities of that region. The bogs the eastward, in the western part of the province of Assiniboia, there is Italy during the next seventeen to the province of Assiniboia, there is Italy during the next seventeen to the province of Assiniboia, there is Italy during the next seventeen to the province of the province of Assiniboia, there is Italy during the next seventeen to the province of the provi

This is indeed gratifying, but before the coal in sight is exhausted, the Sweden and the United States, says the road of same name. Pennsylvania coal, pending largely on electrical heating spruce, ash and poplar. The duty is activities and of substantial property, spruce, ash and poplar. The duty is activities and of substantial property, troiler for last year shows that on Augapparatus. Science has almost invariable for each advalorem on manufactured who will be so remembered rather than a popular than the substantial property, and the value of national bank in the popular than the substantial property.

Town. The chief demand is for pine, spruce, ash and of substantial property, who will be so remembered rather than a popular than the property of the state. The value of national bank is to pine, spruce, ash and poplar. The duty is activities and of substantial property, and the value of national bank in the popular than the popular than the pine of the state of the stat

worrying for fear that its children's children may not have the wherewith to keep themselves warm.

WHAT WILL THE HARVEST RE! At the present time most republic shall be, but "What will the harvest Time was when republicans might

whole did not hold the administration

confidence in the Roosevelt adminis-

Legislature to be chosen, although they have given diverse reasons for

Unless the letters can be fully ex-

plained, which now seems to be an im-

possibility, it is inconceivable that

Senator Foraker can secure a re-elec-

clared paramount by some of the

succeed in capturing the Legislature.

politically; and even the man who ap-

The Congo Free-State in mid-Africa has

900,000 square miles of territory. At pres-

ments, vegetables and other food pro-

ducts, steamers and boats machinery

products of the country are rubber,

Ivory, gum, copal, paim kernels and

palm oil. Consular report No. 3263 tells

er and lumber. A United States mill

for export.

New South Wales exports in 1907 amof \$25,000,000 in the year \$124,000,000, an increase of \$15.00,000 in the tariff on spirits, ale, tobacco. and furs, metals and muchtnery, etts rich-Vreeland paints and varnishes, earthenware, comchina, glass, stone, drugs and ry and tancy goods, leather, rubber, paper and stationery, vehicles and musical instruments. The new turiff is a compromise between the free traders and the

warns the British Connsul-Cleneral. year. The country's main imports are soda, agricultural and other machinery.

lead. It is used in several Chinese manu

Columbia. It is largely needed for rail-

way construction. American lumber is

Commissioner at Yokohoma.

Very few British commercial travellers goods, hardware, wealen goods, sewing mining machinery, waterer, hardware, market for automobiles, as the roads are bad.

tuels of 73 cents: Imports:

Customs revenue

Tennage entered and cleared

British tonnage entered and cleared 23,216,618 trabled. In order of importance as named thing buys from Hongkong, Great Relt-Furope (except Great British) and Can-Her principal exports cotton goods facts, coal and coke, machinery, matches er, wool manufactures, flour, fish pro-

In the fireful year 1908 Canada bourts \$167, 800,000 worth of goods from the United States and sold \$75,000,000 worth-a trade favorable to the United States to the extent of \$93,660,660.

Oil discoveries in Orange River Colony, South Africa, seem important. A broad belt stretches across the colony The Compagnie General Transatiant ique has established a new monthly regular steamship service from Havre to

mrying according to season. European shipping companies are in the Levant and on the far East lines are almost at a standstill.

stemmship service to America is being them pay interest on its bonds. actively urged in Sweden, Norway and

Customs collections at Vancouver, Brit-

director in the National Life Insurance other places. Assume that a bank

British South Africa imports over \$2,- and Wilkes-Harre coal, New York, there conditions the re-Town. The chief demand is for pine, Paper companies. He is a man of many

factures, but chiefly for lining ten chests | How They Get Out of the Treasury and How They Get Back Again. (From the New York Sun.)

If any one who has a bank note in

ent visit four full cargoes of Oregon face of the note the statement that such pine arrived there, says the Canadian or such a bank , its location being given. "will pay the bearer on demand" Great British imports over \$35,000,000 so many deliars, The law regulates de- the amount held for redemption was in worth of eggs a year from Russin, Den- nominations. The bank note issues are of excess of \$67,000,000. An increased force mark, Germany, Belgium, Canada and the denominations of \$5, \$10, \$20, \$10, and improved business conditions will \$500, \$1,000, \$10,000. The notes are of dif-New Zealand is a good market for tim- ferent designs, a custom which we may ome day be wise enough to correct, shipped a cargo recently and sold it at but all bear on their face the promise low figures. The purchaser made a very to pay to bearer the declared value on culation by the banks, and have come great profit out of it says the Austral- demand. Were there no other inscription back, as they do in longer or shorter a bank note of to-day would not in its time, to the treasury for redemption principle differ from the notes of sixty thetion between them and their prede-1977 imports from the United States bal be found along the upper edge of the all countries except, Great Britian and face of the note, It reads; "National be destroyed and another issued in its currency secured by the United States place, if so desired by the issuing bank. Denmark changes on January 1, 1909 its bonds deposited with the treasurer of More than one-third of the amount sugar, gro- the United States of America." On the ceries, agricultural products, textile felts notes now being issued under the Aid- last year. changed so that it will hereafter be back to the treasury and have seen one "National currency secured by United of the various routes by which they get States bonds or other securities of the there, and have seen what becomes of United States of America." In time the them after their return. The treasurer will take out of circulation all bills carry- them, has reimbursed his account from ing the former of these inscriptions, and the 5 per cent, redemption fund, and has wich-Vreeland bill or under the general act will bear the same declaration of

of the treasury General. Its imports are chiefly catton engraving and printing in Washington stamped with the treasury seal and with cally to go to the banks whose names printed on them before they are put een by examining a bank note. There Let it be part of the expense of distribution and assumed that a bank has deposited with In twenty years the imports have quade the treasurer of the United States \$50.00) worth of government bonds or other seprinted notes. The notes being signed he bank may pay there across its counprinted the information that "this note is as security for circulation shall pas excises and all other dues to the United States except duties on imports, nidemands owing by the United States to not paid on the sum represented by th those here specified, duties on imports other ways, and it may through

The bank of issue has no concern St. Lawrence River slipping returns which it has sent out. It makes no diffor July show an increase of 5 per cent. ferece whether they come back to the in the receipt of wheat for export use issuing bank or not. Sooner or later they safety. Circulation based on securities of tsh Columbia, in July were the largest teller's window in the bank of their annum on the average circulation, and four days, or record. The Grand Trunk Pacific railway has completed 675 miles of track from Winning westward.

Origin. Sooner or later they find their interward on additional trunk Pacific railway has completed 675 miles of track from Winning westward.

VARIOUS FORMS OF DRESSING. was 11.4 cents a square yard, this being tax of 10 per cent, per annum is reached. The use of sand, gravel or stone screen made up on 4.9 cents for labor, 11 cents ings is perhaps optional, though some of for tar, 0.8 cents for gravel, 3.3 cents for many the completed 675 miles of track from Winning westward. The Canadian Pacific Railway company that a note insued by a bank in Hartis offering a 1500 mile trip for field men ford, Conn. after months of wanderwilling to work in the harvest fields.

The Canadian Pacific Railway company that a note insued by a bank in Hartannum on the average amount of such the authorities find that they prefer one ford, Conn. after months of wandermotes." This is based on the theory that of these under some circumstances, but dust and other accomplations. On the ingrided first property of company that a note insued by a bank in Hartmotes of the experiments of t The new Turkish minister of education self, solled and greasy very likely, in only in times of special financial stress the gravel cost the commission that and a laif cubic yards of gravel was spread only in times of special financial stress the gravel cost the commission that and a laif cubic yards of gravel was spread only in times of special financial stress the gravel cost the commission that and a laif cubic yards of gravel was spread only in times of special financial stress the gravel cost the commission that and a laif cubic yards of gravel was spread on the gravel cost the commission that the gravel cost the commission that the gravel cost the commission that the gravel cost the gravel cost the commission that the gravel cost the g The new Turkish minister of the serve to the compulsory education says. "We have compulsory education says: "We have educated says: "We have educated says: "We have educated says: "We have educated says: "We ha study of history will now be allowed. He was estimated who want a regime of liberty and parwe want a regime of liberty and parsilver certificates and greenbacks. Havticularly of libelty of the press, even ing more cash than it needs at the time, digional circulating notes authorized to it will be apparent that the cost of each ticularly of libelty of the press, even with all the evils it means, for it is a the country link sends the bundle to necessary evil."

Ing more cash than it needs at the time, ditional circulating notes authorized to the issued by the provisions of this act work was kept as closely as was possible, and it will be noted that this was done at the country like with a view of determining its value as the country like work was kept as closely as was possible. The Schibaleff Petroleum Company of Moines, in its turn the Des Moines bank on deposit in the treasury of the United States, in addition to the redemption owing mostly to London banks.

Its correspondent in some city, say bes Moines bank on deposit in the treasury of the United States, in addition to the redemption fund required by section 5 of the act of referred to must not be lost sight of in of the material for binding was not in case, for conversion into some form of June 20, 1874, an additional sum equal to the general estimate of expense. needs of the bank. Whatever the chan- tion at any time outstanding." nel it follows the note comes in time tile marine of the world in 1907, according to the big gracite building in Washing our bank notes, how they get out and tur, three with coal tar and four with without the surface becoming muddy but to Lloyd's Register, by 868 vessels, of ton In his annual report to Congress how they get back. The process involves water gas far. In considering these it from the treatment Nothing further was ressels of less than 100 tons. Great Britnin's percentage, of less was less than
that of an yother of the principal shipthat of the principal shipth

at the custom house, nor can it with

JOHN G. McCullough.

General J. G. McCullough, governor of Vermont in the years 1902-1904, is 73 years required "at all times to keep and have the failure. The note of a bank which failed years ago will be redeemed at the regard the notion of the elements which failed years ago will be redeemed at the regard the notion of the elements which old to-day. Although generally known on deposit in the treasury of the United to Vermonters through his services to States in lawful money of the United the State at that time and the remark- States a sum equal to 5 per cent, of its the State at that time and the remarkstates a sum equal to 5 per cent, of its
able political campaign that preceded circulation, to be held and used for the not ideal. It has, however, served is tion, of the traffic each day and each not ideal. It has, however, served is his election, Gen. McCullough is a man redemption of such circulation." We are not ideal. It has, however, served us tion, of the traffic each day and each extensively connected with large financial now in the field where so many of our well for nearly half a century, through week and month, should be consistently people are puzzled about the routine a time of the greatest and most rapid in- considered, but this very desirable in-He was born September 16, 1835, near processes of note issue and note disposal, Newark, Delaware. He graduated from The complexity is seeming, rather than Delaware college in 1855 and from the real, Into the treasury there pours the have department of the University of daily flood of notes for redemption. Not Pennsylvania in 1838. A year later he reinfrequently it amounts to \$1,000,000 in a moved to California and began the single day. The bundles come chiefly practice of law in Mariposa county. In from the larger cities to which the California he served as a member of money is sent by the banks of smaller the State Legislature, State senator and cities and towns. Cut of the \$257,000,000 attorney-general. From 1863 to 1867 he received last year \$100,000 came from practiced law in Son Francisco. In 1874 New York, \$50,000,000 from Chicago, \$13. 000,000 from Boston, \$15,400,000 from Phil-Beside being president of the First adelphia, \$15.40,000 from St. Louis and the main question is that of their security. company of Montpeller and the Central New York or in Chicago sends to the Vermont Rallway company his is presi- treasurer a bundle containing \$100,000 in pany and vice-president of the Etle Rail- of scores and perhaps hundreds of difroad company as well as director in the ferent banks, banks in all parts of the country, north, east, south and west. American Trading company, Atchi- The treasurer "redeems" these notes, son, Topeka & Santa Fe Railway com- that is, he buys them from the bank square maes, and that still further to cover 874 square miles. One works can pany, Bank of New York, Buffalo and which sends them in. He may pay for get 15,000 horse-power for fifty years on Lackawanna Steel, Unionville and Is more likely to pay with an order on Italy during the next seventeen years Water Cap railroad, New Jersey and the sub-treasury in New York, if that is fully as much more, making the aggregate of these two deposits 45,000.

will spend \$107,000,000 to construct \$92 New York railroad. New York and the point of shipment, or on the subgregate of these two deposits 45,000.

miles of new roads as well as to improve existing roads.

New York railroad. New York and the point of shipment, or on the subgregate of these two deposits 45,000.

Greenwood Lake railroad, New York treasury in chicago, if they came from
and New Jersey railroad, New York there. But he has in effect bought and New Jersey railroad, New York there. But he has in effect bought

demption fund is more than ample for Trade Commissioner of Canada at Cape Pere Marquette railroad and Stark the drafts which the treasurer must make on it. The report of the Comchiefly of Oregon and Southern hard magistrate of the State.—Rutland Herald state of the State.—Rutland Herald on that the freasurer held of September 18. on that day in round agures, \$27,300,000 To have Barbara barber-Ahi

There is a great demand in China for THE NATIONAL BANK NOTE in the redemption fund. The norma the treasurer ranges from \$25,000,000 to \$30,000,000, and the normal of notes in his hands in process of redemption is from \$10,000,000 to \$12,000,000 The experience of this year has been unusual. The shrinkage in general busipurse or in pocket will examine it ness has resulted in flooding the treasury shipped to Shanghal. On one day of his there will be found prominently on the with bills for redemption. hearly doubled force of counters and corters it was for a time impossible to keep up with the flood. At one time in a few weeks restore the normal.

> The notes have been issued to the banks Their return is a strictly routine process. A note may be out for years, or it ma come back to the treasury in a few week out again. If in had condition it will circulation was destroyed and replaced not the inscription is the bills get out, have seen that they ge process of redemption and retirement has in effect bought them, has paid for ill notes whether issued under the Ald- required the issuing bank to fill the hole made in the fund. The process up to this point may be

The first step in the Issue of bank sued \$50,000 worth of its notes. The treasnotes is the preparation of the dies from urer of the United States holds \$30,006 This is done worth (at least) of securities belonging under the control of the comptroller of to the bank in trust as a guarantee that the currency, a post which should not the notes will be paid. He also holds 5 shallow per cent, of their value (\$2,500) in the posited with him by that bank and calls machine tools, china, stationery, barbod the signatures of the treasurer and the ed to fill the redemption fund if the equivalent of the shortage from the \$50,they are signed by the president of the feet to frequent calls to make up their The cost of printing the notes and a

> on the banks in proportion to their sues. Notes in circulation are subject to Abirich-Vreeland bill amending section tion on the back of the notes there is that hands on deposit with the treasurer semi-annually a tax of one-fourth of 2 per cents, or Panama canal 2 per cents bonds but on the average of the out-This average is computed on a basis of monthly returns of the bank. Under the provisions of the Aldrich-Vreeland hill bank notes to a and interest on the public debt. The total not exceeding \$500,000,000 may be through its agents in payment for inter- than bonds of the United States. Subject to specified restriction and regulation the agents use then for payment of salaries bonds, county bonds, municipal bonds on contracts, but it cannot take them and other approved issues. The expression is: "Any securities, including commercial paper." The scope of this measure ure has been criticised, but when the whatever in the return of the notes measure is considered as a whole, in the seems no reason to question its absolute as being in condition to withstand the contrast in color, that of the two apply

> > dustrial and commercial development in fermation cannot be provided, and the along the present or some other line, or ed with the untreated road. the notes of a central institution like the One of the reasons why the detail of For the information of those who have Bank of England are a necessity in the each experiment is presented is to enable enough on the top of the earth to furnish each section specifically to be made, this circulation for the nations of the world being regarded as an essential. Each of these system has its advocates. WATER GAS TAR EXPERIMENT units: There must be notes of some kind, and

A BOSTON CONCOCTION.

Adeline's lover popped by mail, She answered, "I decline, She thought she'd Adeilne.

It really seemed to be a match "Twixt Marion and John; He's naught to Marion."

mischievous wee maid is Res Her ma oft gives her licks It doesn't do a bit of good Adelaide was our favorite ben Her eggs threw in the shade

All others-My! you should have seen The eggs that Adelaide. His trade she learned from pa

Such shapely hands!-what bliss one's

GOOD ROADS

EXPERIMENTAL WORK.

Trials of Various Materials and Compounds Under Different Conditions in Massachusetta State Roads by Preservation and Dust Suppression Being the Principal Object-Treatment of Honds and Proportions of Each Individual Application.

From the New England Automobile Journal.)

(CONTINUED.)

METHODS OF TREATMENT.

fairly uniform. The surfacing to be re- rolled. stored was picked loose by hand and the No. 1 or and returned to the bottom of the exen- saturated grave and not adhere well to vation. On this was placed sufficient No. shown in figures thus: A bank has is, 2 stone to make as nearly as possible fendency for the c an even level and then the road was up under the road ro rolled. This method was employed when had been putched In other places where there were many was found that the conditi be filled by the process outlined. One portion of the road was entirely resur- Lindoncy toward traveling. The road apfaced, as it was too badly wern to do peared to improve and was admirable materials used for repair and resurfacing being no must that was obnexious, while

square of road surface. The work was during August, when the weather was dry and settled and the road had improved approvabily and the temperature was high. Each ex- not only were the patches holding much periment has certain individuality in better than the early condition gave can be improved upon with more ex- stood up under the traffic to a perience and knowledge of materials which was quite unexpected. Not only ed by the use of the sweeper, which was was well to said comfortably to ride driven over the road as many times as over was necessary to thoroughly clean the dust and loose matter, this being laid at WATER GAS EXPERIMENT NO 2.

button of the compounds and work the application thoroughly into the road surhand.

to have permitted the far compounds to remain exposed for from 24 to 48 hours for securing the height of penetration, traffic it was necessary to prepare it gravel. The dressing applied served to up by the road, and the sand or gravel was in thickness such as would be necwigh obviously been better for the road to have been closed for a period of perhaps three or

currency better adapted to the immediate 5 per centum of such additional circula- in the experiments made three of these tion at any time outstanding."

Were with special tar preparations, three giving a fairly even distribution while with nixtures of water gas tar and coal as much was spread as was absorbed in December, 1007, the comptroller of the an infinity of detail which would require is well to take up each individually to done and no dressing was applied, the comptreller for descruction and \$39,903.555 Oregon of which the note holder in Key being in good condition were returned to West never even heard is as good as the manner of observation, however, is not the bank or banks of issue." the history of this or any other country. only possibility is in comparison of the Notes of some kind, the notes of the endurance of each section as compared government, the notes of national banks with the others, and the whole contrast-

an examination of the whole work or

NO. 1. This section of the way is 1,275 feet in ength and the tar was applied for a width of 12 feet, the application averag ing 0.9 gallon of tar a square yard. The quantity of tar applied might have been less had not the surface of the road been so covered with depressions, and ne needed resurfacing, which made the spreading of the tar a matter of more than usual care and it was impossible to distribute it evenly. The application cost 8 cent for labor, 27 cent for the tar, 0.8 cent for gravel a square yard, and as extraordinary expenses was 3.2 cents for cumulated dust, it being 8.4 cents a square yard for material and labor, and 4.5 cents a square yard for work that would not be necessary under ordinary circumstances. In other words the condition of the road was such that to apply the treatment the cost was rather more than half what might be expected under normal conditions. The aggregate expense, 129 cents a yard, does seem ex-The total area treated was 1,700 square him anything."-Cleveland Leader.

cubic yards of gravel was applied as a dressing it unic yards of dust and refuse

was removed. In the treatment the section roadway was first thoroughly swept and the repairs for the rut holes and the depres following the awceping so that the sweep er would not disturb the stone tabt had used for making repair, and which not so securely there was no canger the way and after the distribution of brooms When this had sorbed by the surface of the road that the gravel was not bound and did not plication of tar and ther dition to at least endure traffic and these line of gravel was applied this absorzing repairs were made in a manner which the excess of far very thoroughly. When

The treatment was not at that time rewas charged at the averaged rate. The in dry weather the surface was held well hency troffic. After three months' use

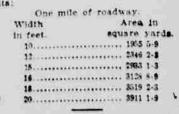
roller as was noted in No. 1. As was no ticeable with No. 1 the surface under the traffic improved perceptibly and in wet weather was not changed. The suppression of dust was effectually accomplish-After the almost impossible for the observer to detest any difference between the two methods of application. There was some it would have cations being the more pronounced, but

> In this work the application was 0.38 of a gailon a square yard. The total cost

In the same highway a section of 10 from the treatment. Nothing further was objectionable and not only was the dust quite suppressed, but with time the sugthe residum remaining after the volatile

oils had been dissipated. ment that at the expiration of three months no dust was perceptible after the passing of a rapidly moving vehicle and more than ordinarily successful. Not only this but the cost was very small. The quantity of tar used was 0.3 of gallon. The cost of the material was 0.9 cents, and of labor 0.6 cents, making a total of 1.5 cents a square yard. It was believed that with long sections of road the cost could be reduced to close to a

no immediate reference the following brief facts of road area by yards will serve to better illustrate the statements made which deal with this form of



(TO BE CONTINUED.)

STRAIGHT TALK FROM A DOG TRAINER.

One day, as a doctor was driving into a village, he saw a man a little the worse for liquor amusing a crowd of spectators with the antics of his trick dog. The doctor watched him awhile "Sandy, how do you manage to train

your dog? I can't teach mine to do any Sandy, with the simple look in his

eyes so common in some rustles, said "Well, you see, doc, you have to essive unless the items are understood. know mor'n the dog, or you can't learn